

### AMENDMENTS TO THE SPECIFICATION

In the specification at page 1, line 3, please replace the heading "Description" with the following heading:

#### FIELD OF THE INVENTION

In the specification at page 1, line 25, please insert the following heading:

#### DESCRIPTION OF RELATED ART

In the specification at page 4, line 6, please insert the following paragraphs:

#### BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows the fatty acid profile (FAMES) of leaf tissue from wild type *Arabidopsis thaliana* as a control.

Figure 2 shows the fatty acid profile (FAMES) of leaf tissue from transgenic *Arabidopsis* expressing the *Isochrysis*  $\Delta$ -9-elongase (see example 4).

Figure 3 shows the fatty acid profile (FAMES) of the double transformed *Arabidopsis* line expressing the *Isochrysis*  $\Delta$ -9-elongase and the *Euglena*  $\Delta$ -8-desaturase (Line IsoElo X Eu D8 des).

Figure 4 shows the fatty acid profile (FAMES) of the triple transformed *Arabidopsis* line expressing the *Isochrysis*  $\Delta$ -9-elongase, the *Euglena*  $\Delta$ -8-desaturase, and the *Mortierella*  $\Delta$ 5 desaturase (Mort  $\Delta$ 5) gene (Line IsoElo X EU D8 des x Mort  $\Delta$ 5).

Figure 5 shows GC profiles of *Arabidopsis* leaf fatty acid methyl esters extracted from wild type (Fig. 5A), single transgenic plants expressing *Isochrysis galbana*  $\Delta$ 9 elongase gene Ig ASE1 (Fig. 5B), double transgenic plant expressing the Ig ASE1 and *Euglena*  $\Delta$ 8 desaturase (EU  $\Delta$ 8) genes (Fig. 5C), and the triple transgenic plant expressing the Ig ASE1, EU  $\Delta$ 8 and the *Mortierella*  $\Delta$ 5 desaturase (Mort  $\Delta$ 5) genes (Fig. 5D).

#### DETAILED DESCRIPTION OF THE INVENTION